FIG. 1

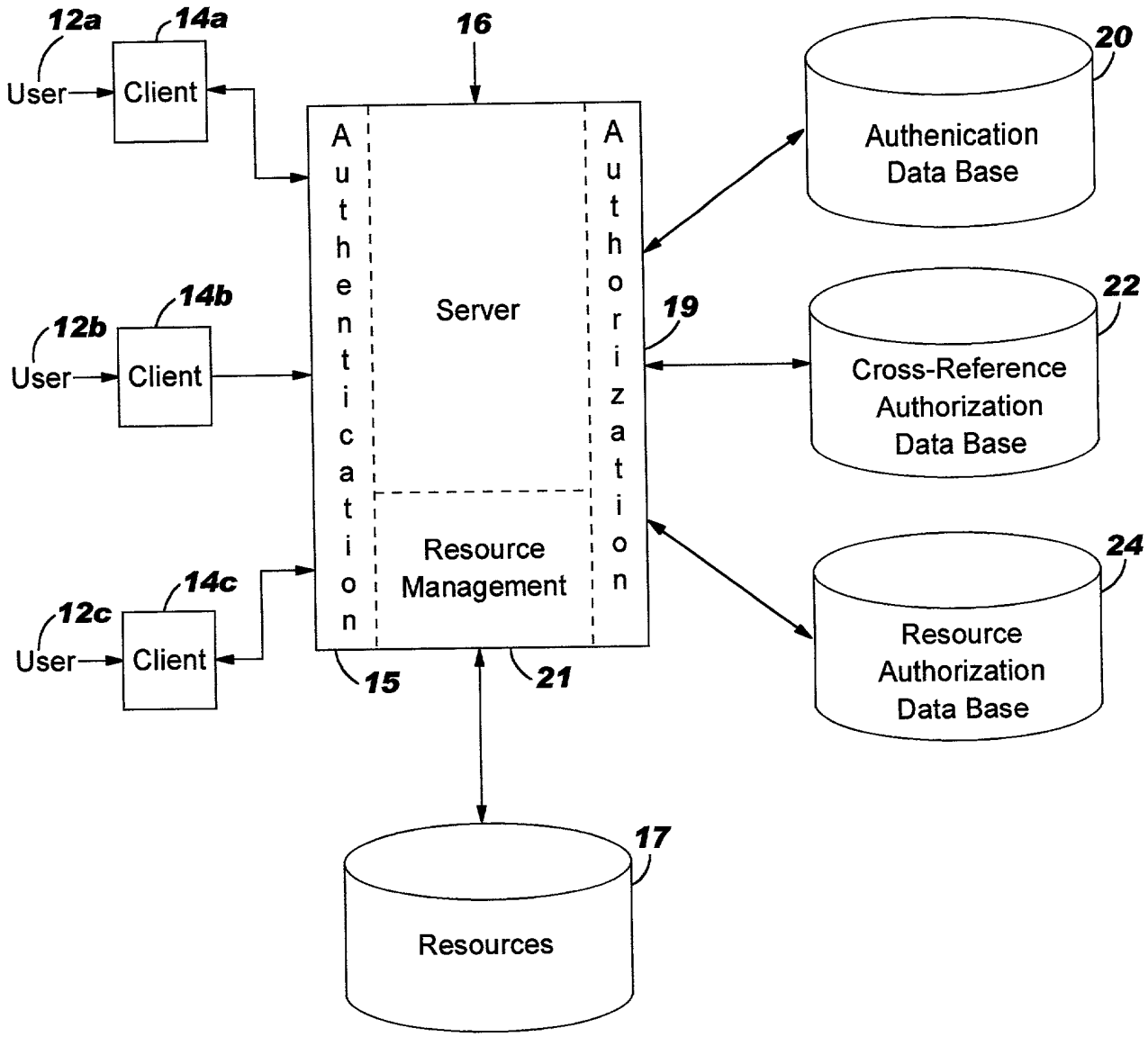

12a
14a
User
Client
16
20
Authenication
Data Base
Server
Authentication
Authorization
14b
12b
User
Client
19
22
Cross-Reference
Authorization
Data Base
Resource
Management
14c
12c
User
Client
24
Resource
Authorization
Data Base
15
21
17
Resources

FIG. 2A

Cross-Referencing Authorization Table ***22a***

AuthenicationID	User Name
rsmith@IBM.com	Robert Smith_Main_IBM
tjones@IBM.com	Thomas Jones_Main_IBM
bjohnson@ibm.com	Betty Johnson_Main_IBM

Docket No. END920010126US1

FIG. 2B

Cross-Referencing Authorization Table ***22b***

Group ID	Group Name	Members/User Ids
Progroup@IBM.com	Programmer_Main_IBM	Robert Smith_Main_IBM Thomas Jones_Main_IBM Betty Johnson_Main_IBM
Tesgroup@IBM.com	Test_Main_IBM	Thomas Jones_Main_IBM Betty_Johnson_Main_IBM

FIG. 2C

Cross-Referencing Authorization Table ***22b***

AuthenicationID	User Name
rsmith@IBM.com	Robert Smith_Elm_IBM
tjones@IBM.com	Carol Parker_Elm_IBM
bjohnson@ibm.com	Debbie Harris_Elm_IBM
	Mark Henry_Oak_IBM

FIG. 2D

Cross-Referencing Authorization Table **22d**

Group ID	Group Name	Members/U
Progroup@IBM.com	Programmer_Elm_IBM	Robert Smith_Elm_IBM Carol Parker_Elm_IBM
Debgroup@IBM.com	Debug_Oak_IBM	Robert Smith_Oak_IBM Debbie Harris_Main_IBM

FIG. 2E

Cross-Referencing Authorization Table **22e**

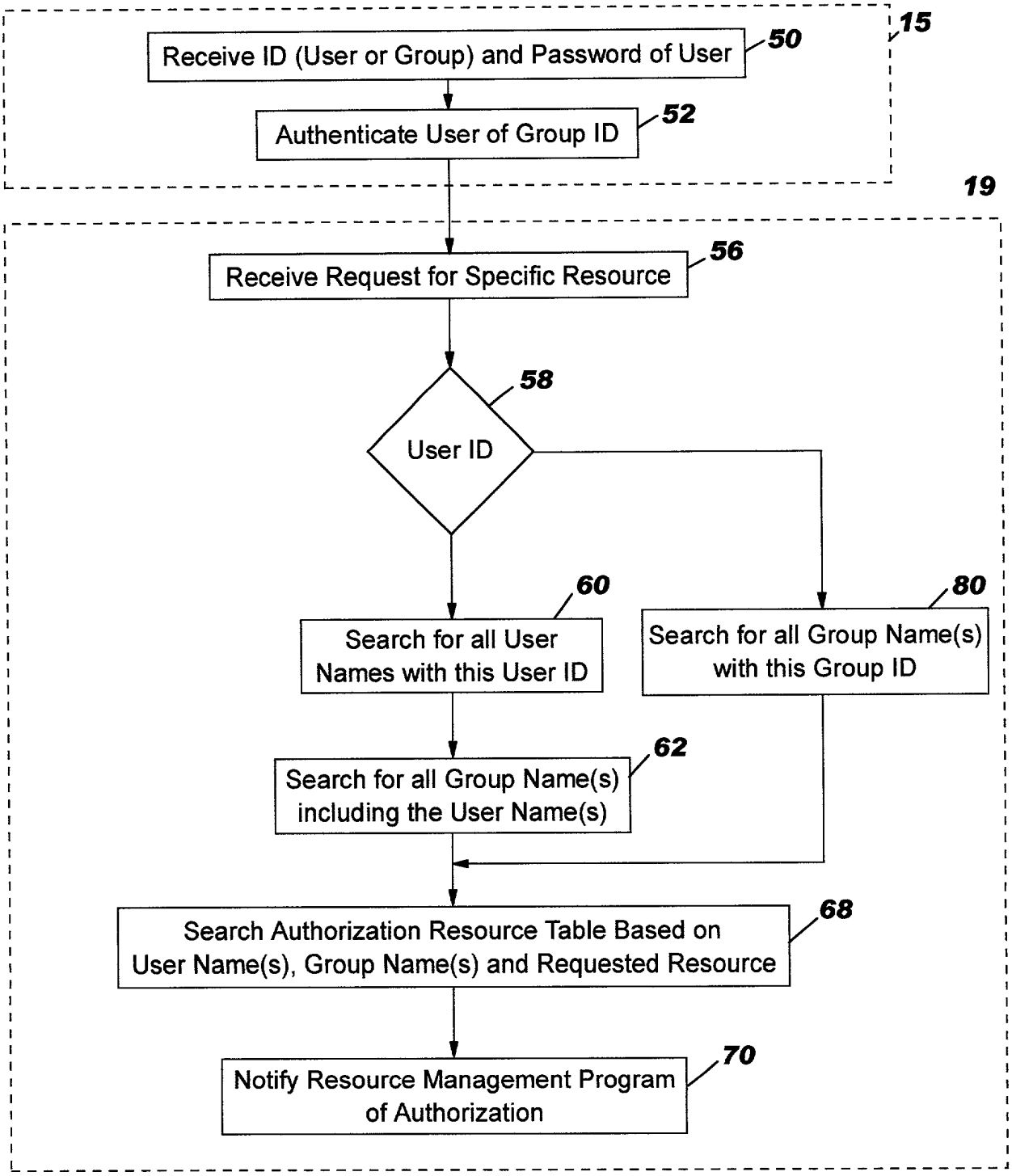
AuthenicationID	User Name
robsmith@IBM.com	Robert Smith_Oak_IBM
dstein@IBM.com	David Stein_North_IBM

FIG. 3

Cross-Referencing Authorization Table

Authorized Name/Group ID	Resource Name
Robert Smith_Main_IBM	Customer Data
Robert Smith_Elm_IBM	Schedule Data
Thomas Jones_Main_IBM	Schedule Data
Betty Smith_Main_IBM	Finance Data
ProGroup_Main_IBM	Program Functions Data
ProGroup_Elm_IBM	Program Requirements Data
DebGroup_Oak_IBM	Problem Report Data

FIG. 4


15
Receive ID (User or Group) and Password of User
50
Authenticate User of Group ID
52
19
Receive Request for Specific Resource
56
User ID
58
Search for all User Names with this User ID
60
Search for all Group Name(s) with this Group ID
80
Search for all Group Name(s) including the User Name(s)
62
Search Authorization Resource Table Based on User Name(s), Group Name(s) and Requested Resource
68
Notify Resource Management Program of Authorization
70